

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims

1. (Currently amended) A microsilica with pozzolanic activity that contains at least 85% in weight of silica with respect to the total weight of microsilica, characterized because wherein the silica contains 55 to 90% in weight of cristobalite and tridomite with respect to the total weight of silica, wherein said microsilica has a particle size distribution equal to or less than 40 μm at 98%, and wherein said microsilica does not contain significant amounts of alkaline metal oxide.
2. (Currently amended) The microsilica of claim 1, characterized because wherein the amount of cristobalite and tridomite is 70 to 90% in weight with respect to the total weight of silica.
3. (Currently amended) The microsilica of claim 1, characterized because wherein the cristobalite and tridomite have a crystal size of 5 to 12 nm.
4. (Currently amended) The microsilica of claim 3, characterized because wherein the cristobalite and tridomite have a crystal size of 6 to 11 nm.
5. (Currently amended) The microsilica of claim 1, characterized because wherein said microsilica has a pozzolanic index from 100 to 125%.
6. (Currently amended) The microsilica of claim 5, characterized because wherein said microsilica has a pozzolanic index from 115% to 125%.

7. (Currently amended) The microsilica of claim 1, characterized because
wherein said microsilica has a superficial area of 25,000 m²/Kg.
8. (Canceled)
9. (Currently amended) The microsilica of claim 1, characterized because
wherein said microsilica has a density equal to or minor to less than 2.4
g/cm³.
10. (Currently Amended) The microsilica of the claim 1, characterized because it
wherein said microsilica includes:

Components	Percentage in weight with respect to the total weight of microsilica (%)	Method
SiO ₂	89.08	ASTM-C114
Al ₂ O ₃	1.87	ASTM-C114
Fe ₂ O ₃	0.1	ASTM-C114
CaO	3.96	ASTM-C114
MgO	0.88	ASTM-C114
K ₂ O	0.06	ASTM-C114
SO ₃	0.35	ASTM-C114
PPI	2.22	ASTM-C114

11. (Currently amended) The microsilica of the claim 10, characterized because
wherein said microsilica has a density of 2.33 g/cm³, a mesh fineness of 325
in a 96.7 % and a Blaine value of 6,536 g/cm².

12. (Currently Amended) A method for the obtention production of the microsilica of claim 1, characterized because wherein the method includes the steps of:

- a) Obtaining siliceous material from a natural deposits deposit,
- b) Selecting those any parts of the deposit that contain SiO₂ in an amount equal to or greater equal or greater amounts than 85% in weight with respect to the total weight of the material,
- c) Selecting the any parts with a density lower to than 2.4 g/cm³ from the obtained parts in selected in step b),
- d) Crushing the obtained parts selected in step c) until obtaining a particle size lower than 1/2" is obtained,
- e) Calcination of the material obtained before resulting from step d) at 590 to 620 °C, and
- f) Milling the calcined material until obtaining a mesh particle size of 325 at 96% minimum is obtained.

13. (Currently amended) The method of claim 12, characterized because wherein the natural deposit is an ignimbrite deposit.

14. (Currently amended) The method of claim 13, characterized because wherein the microsilica has a pozzolanic index from 100 to 125%.

15. (Currently amended) The method of claim 14, characterized because wherein the microsilica has a pozzolanic index from 115% to 125%.

16. (Currently Amended) A method for the obtention production of the microsilica of claim 1, characterized because wherein the method includes the steps of:
a) Obtaining siliceous material from a natural deposits deposit.

- b) Selecting these any parts of the deposit that contain SiO₂ in an equal or greater amounts than 85% in weight with respect to the total weight of the material,
- c) Selecting the any parts with a density lower to than 2.4 g/cm³ from the obtained parts selected in step b),
- d) Crushing the obtained parts selected in step c) until obtaining a particle size lower than 1/2" is obtained, and
- e) Milling the material obtained in step d) until obtaining a mesh particle size of 325 at 96% minimum is obtained.

17. (Currently amended) The method of claim 16, characterized because wherein the natural deposit is an ignimbrite deposit.

18. (Currently amended) The method of claim 17, characterized because wherein the microsilica has a pozzolanic index from 100 to 120%.

19. (New) A microsilica with pozzolanic activity that contains at least 85% in weight of silica with respect to the total weight of microsilica, wherein the silica contains 55 to 90% in weight of cristobalite and tridimitite with respect to the total weight of silica and said microsilica has a particle size distribution equal to or less than 40 µm at 98%, wherein said microsilica is produced by

- a) obtaining siliceous material from a natural deposit,
- b) selecting any parts of the deposit that contain SiO₂ in an amount equal to or greater than 85% in weight with respect to the total weight of the material,

- c) selecting any parts with a density lower than 2.4 g/cm³ from the parts selected in step b),
- d) crushing the parts selected in step c) until a particle size lower than 1/2" is obtained,
- e) milling the material until a mesh particle size of 325 at 96% minimum is obtained.

20. (New) The method according to claim 19, further comprising subjecting the material resulting from step d) to calcination at 590 to 620 °C prior to milling.